

	Search Text
1	310/156.08
2	310/156.09
3	310/156.12
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9	310/156.26
10	310/156.31
11	310/156.32
12	4067101.URPN.
13	4888507.URPN.
14	("2488729" "3943698" "3953752" "4035677" "4067101" "4095129" "4206379" "4340560").PN.
15	310/156\$.ccls. and thermosetti\$ near shaft\$
16	310/154\$.ccls. and thermosetti\$ near shaft\$
17	310/\$.ccls. and thermoset\$ near shaft\$
18	310/154\$.ccls. and adhesive\$ near shaft\$

	Search Text
19	310/\$.ccls. and adhesive\$ near shaft\$
20	310/156\$.ccls. and thermosetti\$ same shaft\$
21	310/154\$.ccls. and thermosetti\$ same shaft\$
22	310/\$.ccls. and thermosetti\$ same shaft\$ same (glue\$ or adhesive\$)
23	JP-020307341-\$.did.
24	JP-02307341-\$.did.
25	JP-06217479-\$.did.
26	310/\$.ccls. and magnet same (electroless near (coat\$ or plat\$))

	Search Text
27	magnet same (electroless near (coat\$ or plat\$))
28	("6160334").PN.
29	310/\$.ccls. and magnet same electroless
30	("4206379").PN.
31	310/\$.ccls. and electroless near (layer or base) and electroplat\$ near (top\$ or layer\$)
32	electroless near (layer or base) and electroplat\$ near (top\$ or layer\$)
33	310/\$.ccls. and magnet same vacuum\$ near impregnat\$
34	318/\$.ccls. and magnet same vacuum\$ near impregnat\$
35	magnet same vacuum\$ near impregnat\$
36	32 and magnet

	Search Text
37	("4167416").PN.
38	("5121605").PN.

	Search Text
1	((("5424632") or ("4900958") or ("6160334") or ("4167416") or ("6169354") or ("6046526") or ("5183972") or ("4739427") or ("6081056"))).PN.
2	((("5424632") or ("4900958") or ("6160334") or ("4167416") or ("6169354") or ("6046526") or ("5183972") or ("4739427") or ("6081056"))).PN.) and "adhesive"
3	((("5424632") or ("4900958") or ("6160334") or ("4167416") or ("6169354") or ("6046526") or ("5183972") or ("4739427") or ("6081056"))).PN.) and "adhesive" and "electroless"
4	((("5424632") or ("4900958") or ("6160334") or ("4167416") or ("6169354") or ("6046526") or ("5183972") or ("4739427") or ("6081056"))).PN.) and "electroless"
5	"vacuum" and "magnet" and "impregnated"

CLIPPEDIMAGE= JP406217479A
PAT-NO: JP406217479A
DOCUMENT-IDENTIFIER: JP 06217479 A
TITLE: ROTOR FOR MOTOR

PUBN-DATE: August 5, 1994

INVENTOR-INFORMATION:

NAME
YAMAMOTO, SHIGEKI
YAMAMURA, YOSHIYA
TAKEMOTO, YASUYUKI

ASSIGNEE-INFORMATION:

NAME
FUJI ELELCTROCHEM CO LTD

COUNTRY
N/A

APPL-NO: JP05020720
APPL-DATE: January 14, 1993

INT-CL (IPC): H02K001/27; H02K037/14
US-CL-CURRENT: 310/51

ABSTRACT:

PURPOSE: To provide a rotor for motor in which vibration and noise can be suppressed as low as possible.

CONSTITUTION: A rotor body 2 is injection molded concentrically about a shaft 1 using a liquid crystal polymer. A recess 5a is made in the outer peripheral face of an outer cylindrical section 5 constituting a rotor body and first and second cylindrical permanent magnets 6, 7 and a cylindrical spacer 8 are fitted in the recess 5a. Liquid crystal polymer has good vibration damping characteristics and vibration is retarded in a motor or various OA machines mounting such rotor(vibration is damped in a relatively short time) and noise is also suppressed. Furthermore, since high dimensional accuracy can be achieved, dimensional unbalance causing acceleration of noise and also magnetic unbalance can be reduced.

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CLIPPEDIMAGE= JP361001246A
PAT-NO: JP361001246A
DOCUMENT-IDENTIFIER: JP 61001246 A
TITLE: PERMANENT MAGNET ROTOR

PUBN-DATE: January 7, 1986

INVENTOR-INFORMATION:

NAME
SASAHARA, TOSHIKAZU

ASSIGNEE-INFORMATION:

NAME
MATSUSHITA ELECTRIC IND CO LTD

COUNTRY
N/A

APPL-NO: JP59119306
APPL-DATE: June 11, 1984

INT-CL (IPC): H02K021/08
US-CL-CURRENT: 310/152

ABSTRACT:

PURPOSE: To endure a centrifugal force at ultrahigh speed rotating time by winding glass fiber impregnated with thermosetting resin on the outer periphery of a permanent magnet plural times and thermally setting the resin.

CONSTITUTION: A plurality of permanent magnets 3 are disposed on the other periphery of a cylindrical yoke 1 secured to the shaft 2 of a permanent magnet rotor, and the magnets 3, the yoke 1 and the magnets are secured therebetween by an adhesive 4. Glass fiber 5 impregnated with thermosetting resin is wound plural times on the outer periphery of the magnet without gap to form the first layer 5a. The winding start 5s and end are thermally set in the state that the fiber 5 is lap wound and interposed therebetween.

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CLIPPEL. 5E= JP402307341A
PAT-NO: JP402307341A
DOCUMENT-IDENTIFIER: JP 02307341 A
TITLE: PERMANENT MAGNET ROTOR

PUBN-DATE: December 20, 1990

INVENTOR-INFORMATION:

NAME
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MOTOHASHI, MAKOTO
OKAMURA, YUKIHIKO
SAKAMOTO, TOSHIHIRO

ASSIGNEE-INFORMATION:

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APPL-NO: JP01128445
APPL-DATE: May 22, 1989

INT-CL (IPC): H02K001/27; H02K001/22
US-CL-CURRENT: 310/261

ABSTRACT:

PURPOSE: To improve the retaining force of segment magnets and permit the use of the title rotor in a high temperature and a high speed by a method wherein respective gaps between a rotary shaft and a yoke and between the yoke and the segment magnets are filled with thermosetting resin so as to blockade the opening of a metallic pipe.

CONSTITUTION: A rotor shaft 2 is secured through the penetrating hole 5c of a metallic tube 5 and segment magnets 4a-4d are provided on the inner peripheral surface of the metallic tube 5 in parallel while a yoke 3 is inserted into the magnets 4a-4d. Respective gaps between the rotor shaft 2 and the yoke 3 and between the yoke 3 and segment magnets 4a-4d are filled with thermosetting resin 6 so as to blockade the opening of the metallic tube 5. In this case, the circumferences of the rotor shaft 2, the yoke 3 and the segment magnets 4a-4d are fixed through the thermosetting resin 6, which will never receive the affection of heat, while the outer circumference of the segment magnets is retained by the metallic tube. According to this method, the retaining force of the segment magnets is improved whereby the use of the title rotor in a high temperature and a high speed may be permitted.

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